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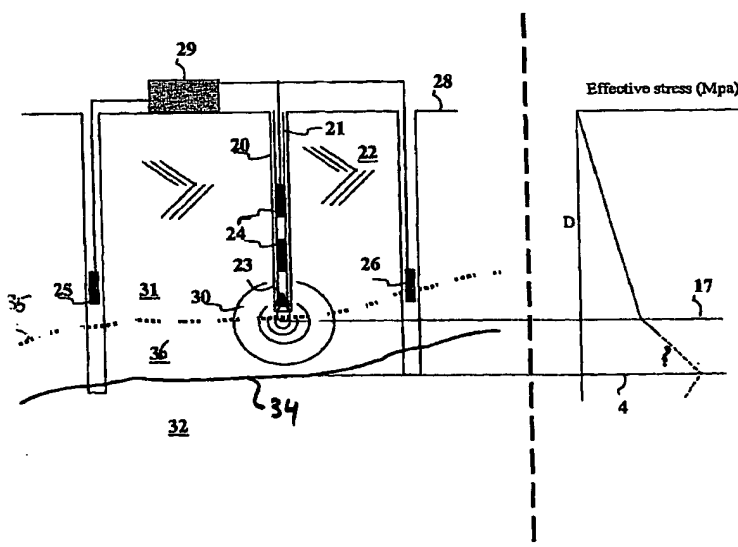
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(54) Title: METHOD AND SYSTEM FOR ASSESSING PORE FLUID PRESSURE BEHAVIOUR IN A SUBSURFACE FORMATION



(57) Abstract: Method and system for assessing pore fluid pressure behaviour in a region of interest (32) in a subsurface formation (22) below an earth surface (28). A stress value representative of formation stress is determined in a measurement region (31,36) in the subsurface formation (22). Signals representing the stress are produced using a measurement arrangement (24). The measurement region (31,36) is located displaced from the region of interest (32). The stress value is used to detect present of non-hydrostatic pore fluid pressure in the region of interest (32) without having to enter the region of interest (32). To this end, a signal processing device (29) can be arranged to receive the signals and utilize them to detect the presence of the nonhydrostatic pore fluid pressure behaviour.



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